

VIVEK SHARMA JOSHI

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SUMMARY

Innovative and detail-oriented Software Engineer skilled in Python, Java, SQL, Cloud, and IoT with hands-on experience in building scalable applications and AI-driven solutions. Proficient in full-stack development, data visualization with Tableau, and cloud technologies (AWS, MERN stack). Successfully delivered projects including an AI-powered e-learning platform and interactive applications, demonstrating strong problem-solving, analytical, and collaborative skills. Certified in MERN Stack, AWS Cloud, and Data Visualization, with a passion for developing efficient, secure, and user-centric software solutions that drive real-world impact.

LANGUAGEANDSKILLS

Languages: English, Telugu, Hindi

Programming Languages: Python, Cloud, IOT, Java, JavaScript, HTML, SQL,CSS,AWS Cloud ,Azure

Data Visualization: Tableau,Data science, pandas, Numpy

Soft Skills: Analytical Thinking, Problem-Solving, Communication, Project Management

PROJECTS

Edolov- Quality Education

- Contributed to the design and development of *EduLov*, an innovative AI-driven e-learning platform that personalises virtual teaching experiences to cater to individual learning styles and preferences.
- Implemented advanced machine learning algorithms and real-time analytics to optimise teaching methodologies and enhance student engagement and comprehension.
- Developed scalable and accessible educational technology solutions to provide tailored learning opportunities to diverse, global audiences, including underserved communities.
- Ensured compliance with data protection regulations and integrated robust security measures, maintaining the ethical use of AI in education.
- Developed interactive features like gamification and real-time feedback to enhance student engagement.
- Collaborated on creating adaptive learning paths to cater to individual student needs and progress.

Shade Shuffle - Game With Colour

- Designed and implemented a GUI-based game called *Shade Shuffle* using Python and Tkinter, focusing on user interaction and intuitive design.
- Demonstrated proficiency in Python programming by creating and integrating modules for colour identification and event handling.
- Used Python to manage game logic, scoring, and a countdown timer.
- Gained proficiency in GitHub for version control, enabling effective collaboration and project management during development.

INTERNSHIP

Web Development Intern - Motion Cut

- Developed a fully functional resume builder application, gaining hands-on experience in front-end technologies like JAVA, CSS, and JavaScript.
- Acquired in-depth knowledge of structuring content with JAVA, enhancing visual design using CSS, and adding interactivity through JavaScript
- Strengthened time management, patience, and problem-solving capabilities while working independently on a complex project.

Data Science Intern- Princeton smart

- Developed and deployed a machine learning-based Used Car Price Prediction System with ~92% accuracy using Python, Pandas, Scikit-learn , and Stream-lit.
- Improved model performance by 15% through advanced feature engineering and hyper-parameter tuning.
- Designed a real-time prediction interface in Stream-lit, reducing manual valuation time by 80% for end-users
- Applied Agile development practices, reducing development cycle time by 25% and ensuring timely delivery through iterative feedback and modular testing.
- Conducted data preprocessing and exploratory data analysis (EDA) on large automotive datasets, identifying trends and improving data quality for better predictions.

EDUCATION

New Horizon College of Engineering

Bachelor of Engineering in Information Science and Engineering

Bengaluru ,Karnataka

Nov 2021 - Aug 2025

CERTIFICATIONS

MERN stack developer(Kaushalya Tech),Data Visualisation using TABLEAU(Alpha Tech), AWS Cloud(Kaushalya Tech),Ethical hacking(Alpha Tech)